

TORREYA

Vol. 28

No. 3

May-June, 1928

Contributions to the Flora of Long Island, New York, Fifth Paper¹

WILLIAM C. FERGUSON

The plants listed below represent species collected in 1926 and 1927. In my experience these are rare, or occasional, and not previously published in my series. New localities for rare species previously published are also included and others not so rare where known localities are very few. These were all collected by me except the few where the collector's name follows the locality. All are in my herbarium and duplicates of most have been deposited in public herbaria. All grasses were reviewed by Mrs. Agnes Chase, *Carex* by Mr. K. K. Mackenzie, and all doubtful plants by the New York Botanical Garden. I am grateful for this cooperation which adds to the value of the paper.

POLYPODIACEAE

DRYOPTERIS CRISTATA × *MARGINALIS* Davenp. Rare in wet woods. Hempstead. Determination by R. C. Benedict.

SELAGINELLACEAE

SELAGINELLA APUS (L.) Spring. Rare in wet or damp shade. Three Mile Harbor (Latham and Ferguson).

SPARGANIACEAE

SPARGANIUM EURYCARPUM Engelm. Rare in swamps. Flushing; Oyster Bay; Newtown.

ZANNICHELLIACEAE

POTAMOGETON NATANS L. Rare in ponds and pools. Woodside.

POTAMGETAN FOLIOSUS Raf. Rare in ponds and pools. Woodside.

ALISMACEAE

SAGITTARIA ENGELMANNIANA J. G. Smith. Rare or occasional in sandy swamps and shores. Long and Lily Ponds, Sag Harbor; Poxabogue Pond; Bridgehampton; Lindenhurst.

SAGITTARIA TERES S. Wats. Rare in shallow water. Eastern Long Island; Artist Lake, Middle Island.

¹ Previous papers in this series appeared in *Torreyia* 22: 43-49, 1922; *Bull. Torreyia Club* 51: 177-201, 1924; 52: 133-136, 1925; 53: 303-308, 1926.

GRAMINEAE

- LEPTOLOMA COGNATUM (Schultes) Chase. Rare in dry soil. Great River.
- PASPALUM PUBESCENS Muhl. (*P. Muhlenbergii* Nash.) Occasional in open dry soil. Bridgehampton; Montauk; Wading River; Garden City; Deer Park; Cold Spring Harbor. *Paspalum pubescens* Muhl and *P. Muhlenbergii* Nash vary only in the amount of pubescence and in their being more intermediates than typical forms. Hitchcock and Chase now group them as above.
- PANICUM WERNERI Scribn. Rare in dry sandy soil. Lindenhurst; North-east of Deer Park; Ronkonkoma; Massapequa.
- PANICUM BICKNELLII Nash. Rare in dry sandy soil. Seaford; Wantagh; Smithtown; Rosedale; Hempstead Reservoir. The localities Massapequa and Ronkonkoma reported in my fourth paper are errors.
- PANICUM ANNULUM Ashe. Rare in hilly woods. Kew Gardens. I can find no previous record for New York State.
- PANICUM COMMUTATUM Schultes. Rare in dry or moist woods or open ground. Kew Gardens.
- PANICUM ACULEATUM Hitchcock and Chase. Rare in dry or moist open ground and thickets. Merrick.
- ARISTIDA OLIGANTHA Michx. Very rare in open dry soil. Syosset. Growing with *A. dichotoma*. I can find no previous record for Long Island. Hitchcock and Chase have written me that it is to be looked for as native.
- ARISTIDA LONGESPICA Poir. (*A. gracillis* Ell.)² Rare in dry open ground; nearly always associated with common *A. dichotoma*. Quogue; Brentwood; Pinelawn; North of Lindenhurst; Great River; Northport; Amityville.
- SPOROBOLIS ASPER (Michx.) Kunth. Rare in dry sandy soil inland and on beaches. North Beach; Eatons Neck; North Sea; Merrick.
- SPOROBOLIS CRYPTANDRUS Torr. A. Gray. Rare in dry sandy soil. inland, and on beaches. Cold Spring Harbor.
- TRisetum PENNSYLVANICUM (L.) Beauv. Rare in wet open swamps and swampy thickets. Yaphank; Cold Spring Harbor.
- PANICULARIA NERVATA (Willd.) Kuntz. var. STRICTA Scribn.³ Very rare in drier part of Marsh at Winfield. A much smaller plant than typical *P. nervata*, with darker spikelets and maturing a month or more earlier, and growing in drier soil. I can find no previous record for Long Island. House records it from Indian Pass and perhaps elsewhere northward.
- PUCCINELLIA FASCICULATA (Torr.) Bicknell. Rare in salt marshes and on sea beaches. Oyster Bay.
- FESTUCA RUBRA L. var. MULTIFLORA (Hoffm.) Asch. and Grabn. Very rare in salt marsh at Massapequa.

² Hitchcock, A. S. The North American species of *Aristida*. Contrib. U. S. Nat. Herb. 227: 538.

³ House, H. D. Annotated list of the ferns and flowering plants of New York State. Bull. New York State Mus. 254: 117-118. 1924.

CYPERACEAE

- CYPERUS SABULOSUS Mart. and Schrad. Rare in waste ground. Native of Virginia and South. Introduced at Plattsdale.
- CYPERUS HOUGHTONI Torr. Rare in dry sandy pine barrens. South Riverhead. I can find no previous record for Long Island.
- ELEOCHARIS INTERSTINCTA (Vahl.) R. and S. Very rare in ponds. Big Long, Little Long, and Round Ponds, Sag Harbor, (Latham and Ferguson). I can find no previous record for Long Island.
- SCIRPUS MICROCARPUS Presl. (*S. rubrotinctus* Fernald). Very rare in swamps. Kissena, Flushing.
- FUIRENA SQUARROSA Michx. Rare in swamps and borders of ponds. Fore and Aft, and Round Ponds, and Little North West Swamp, Sag Harbor (Latham and Ferguson); Long and Lily Ponds, Sag Harbor; Poxabogue Pond, Bridgehampton.
- PSILOCARYA SCIRPOIDES Torr. Rare in wet sandy shores or shallow water. Lily Pond, Sag Harbor; Poxabogue Pond, Bridgehampton. Discovered two weeks earlier than my find at a pine barren pond in Calverton by Mr. Roy Latham.
- SCLERIA TRIGLOMERATA Michx. Rare in moist soil. Lindenhurst; Merrick.
- SCLERIA TORREYANA Walp. Very rare in sandy swamps and shores. Poxabogue Pond, Bridgehampton. Growing with *S. reticularis*, but very distinct in appearance.
- CAREX ROSEA Schk. Rare in wet or rich woods. Deer Park; Kew Gardens. *C. convoluta* Mackenzie, is the common species of this group on Long Island.
- CAREX TRISPERMA Dewey. var. BILLINGSII Knight. Rare in sphagnum swamps and thickets. Speonk; Babylon. The plant published in my second paper from south of Flanders as this species is also var. *Billingsii*.
- CAREX EXILIS Dewey. Rare in swamps. Shinnecock.
- CAREX CRISTATELLA Britton. Rare in swamps and wet woods. Laurelton; North Beach; Winfield.
- CAREX PROJECTA Mackenzie. Very rare in swamps. Winfield.
- CAREX CRAWFORDII Fernald. Very rare in sandy and gravelly soil. Long Beach Road. I can find no previous record for Long Island.
- CAREX BEBBII Olney. Very rare in swamps. Winfield. I can find no previous record for Long Island.
- CAREX TENERA Dewey.⁴ Rare in swamps. Winfield; Woodside. I can find no previous record for Long Island.
- CAREX ALATA Torr. Rare or occasional in swamps. Winfield; Woodside; South Jamaica; South of Ozone Park; Wading River; Riverhead; Montauk; Three Mile Harbor (Latham and Ferguson); Sag Harbor (Latham and Ferguson).
- CAREX LEUCORUM Willd. Rare in dry soil. Rockville Center; Middle Island; Massapequa; Babylon.
- CAREX POLYMORPHA Muhl. Very rare in dry and moist soil. Hempstead Reservoir; Laurelton; Seaford.

⁴ Mackenzie, K. K. Bull. Torrey Club 42: 606-608. 1915.

- CAREX TETANCIA Schk. Very rare in damp and wet meadows. Winfield.
- CAREX GRANULARIS Muhl. Very rare in swamps. Winfield.
- CAREX CONOIDEA Schk. Very rare in swamps. Winfield.
- CAREX HIRSUTELLA Mackenzie. (*Carex complanata* Torr.) Rare in hilly rich woods and thickets. Richmond Hill, Flushing.
- CAREX PALLESCENS L. Rare in swamps and damp meadows. Millneck; Winfield.
- CAREX BARRATHII Schw. and Torr. Rare or occasional in distribution. Lindenhurst (abundant); Babylon; Laurelton.
- CAREX STRICTIOR Dewey. Occasional in distribution; in large colonies where found. Bridgehampton; Easthampton; Watermill; Meadowbrook, Cold Spring Harbor.
- CAREX HYSTRICINA Muhl. Rare in swamps. Flushing; Newtown.

JUNCACEAE

- JUNCUS ARTICULATUS L. Rare in swamps and on fresh and brackish shores. Seaford (two stations); Flanders; Watermill; Montauk; Point-of-Woods; Long Beach.
- JUNCUS SCIRPOIDES Lam. Rare in swamps and on wet shores. Valley Stream; Hempstead; Wading River; Coram; Sag Harbor (Latham and Ferguson).
- JUNCUS SUBCAUDATUS Coville and Blake.⁵ Rare in swamps. Cold Spring Harbor (two stations); North Bellmore. Included in Britton and Brown's Illustrated Flora With *Juncus canadensis* and in Gray's Manual as var. *subcaudatus* of that species.

LILIACEAE

- ALLIUM CANADENSE L. Rare in wet or dry woods and meadows. North Beach; Smithtown; Wantagh.
- TRILLIUM CERNUUM L. Rare in wet or most rich woods. Cold Spring Harbor (three stations); Bayside; Roslyn; Millneck (two stations); Flushing; Millstone (F. Benedict).

ULMACEAE

- CELTIS CRASSIFOLIA Lam. Rare in woods and thickets. Forest Park; Kings Park; Flushing; Newtown.

HAEMODORACEAE

- GYROTHECA TINCTORIA (Walt.) Salisb. Rare on sandy shores and in sandy swamps. Rankonkoma; Big Long Pond and Little Long Pond, Sag Harbor; Round Pond (Latham and Ferguson), Fore and Aft Pond (Latham and Ferguson), Sag Harbor.

⁵ Coville, F. V., and Blake, S. F. Flora of the District of Columbia and vicinity. Contrib. U. S. Nat. Herb. 21: 119. 1919.

CORRIGIOLACEAE

ANYCHIA POLYGONOIDES Raf. Rare in dry pine barrens. Wyandanch.

ALSINACEAE

ALSINE LONGIFOLIA (Muhl.) Britton. Rare in swamps. Winfield.

ALSINE ULIGINOSA (Murr.) Britton. Rare in cold springs and streams. Cold Spring Harbor.

SAGINA PROCUMBENS L. Rare on wet shores and springy and boggy woods. Three Mile Harbor (Latham and Ferguson).

MENISPERMACEAE

MENISPERMUM CANADENSE L. Rare in rich hilly woods. Newtown.

ROSACEAE

AGRIMONIA STRIATA Michx. Rare in thickets and fields. Cold Spring Harbor.

MALACEAE

CRATAEGUS PRUINOSA (Wendl.) K. Koch. Rare in dry hilly woods. Kings Park. Determination by W. W. Eggleston. I can find no previous record for Long Island.

AMYGDALACEAE

PADUS NANA (DuRoi) Roemer. Very rare. Wet hilly woods. Cold Spring Harbor.

FABACEAE

MEIBOMIA CANESCENS (L.) Kuntze. Rare in rich soil, borders of woods and thickets. Bayside; Flushing.

LESPEDEZA ANGUSTIFOLIA (Pursh) Ell. Occasional in dry or moist soil and in pine barrens. Hempstead Plains at Mineola and Garden City; Middle Island on damp shores of Artist Lake; Brentwood; Central Park; Valley Stream; Lindenhurst; Pineaire; Deer Park; Massapequa. All the above are in my herbarium. I have also seen and recorded it at Smithtown; Coram; Central Islip; Farmingdale; Wyandanch.

LESPEDEZA HIRTA × *CAPITATA*. Vary rare in dry pine barrens. Brentwood; Ronkonkoma.

LESPEDEZA HIRTA × *ANGUSTIFOLIA*. Very rare in dry pine barrens. Pineaire. Both of the above hybrids were growing in contact with the presumptive parents and were intermediate in characteristics between them. The determinations were confirmed at the New York Botanical Garden.

ILICACEAE

ILEX LAEVIGATA (Pursh) A. Gray. Rare in swampy thickets. Merrick; Lindenhurst; Amityville; Seaford.

NEMOPANTHUS MUCRONATA (L.) Trelease. Rare in swampy thickets. Lindenhurst.

VITACEAE

VITIS VULPINA L. Rare in rich woods. North Beach.

VIOLACEAE

VIOLA EMARGINATA (Nutt.) Le Conte. var. *ACUTILOBA* Brainerd. Rare in hilly, dry, oak woods. Northport. Growing with the species. I can find no previous record for Long Island. The determination confirmed by Dr. H. D. House.

AMMIACEAE

ANGELICA ATROPURPUREA L. Rare in swamps and moist ground. North Beach; Newtown.

LILAEOPSIS LINEATA (Michx.) Greene. Rare in salt and brackish marshes and shores. Cold Spring Harbor.

VACCINIACEAE

GAYLUSSACIA DUMOSA (Andr.) T. and G. Rare in sandy swamps. Flanders; Bridgehampton; Speonk; Westhampton; Wyandach; Little West End, Sag Harbor (Latham and Ferguson).

VACCINIUM NIGRUM (Wood) Britton. Rare in dry soil. Seaford.

PRIMULACEAE

LYSIMACHIA PRODUCTA (A. Gray) Fernald. Rare in swamps and wet thickets. Babylon.

CUSCUTACEAE

CUSCUTA CORYLI Englm. Rare in wet thickets and swamps. Easthampton; East Islip.

MENYANTHACEAE

MENYANTHES TRIFOLIATA L. Rare in swamps. Newtown.

ASCLEPIADACEAE

ASCLEPIAS VARIEGATA L. Rare in hilly rich woods. Queens; Three Mile Harbor; Sag Harbor (Latham and Ferguson).

SCROPHULARIACEAE

AGALINIS HOLMIANA (Greene) Pennell. Occasional in dry pine barrens, oak woods and thickets. Middle Island; Central Islip; Sag Harbor; Setauket; Kings Park; Central Park; Ronkonkoma; Pinelawn; Easthampton; Mastic; Pineaire.

AGALINIS VIRGATA Raf. Rare in sandy and wet shores. Fore and Aft Pond, Sag Harbor (Latham and Ferguson).

PEDICULARIS LANCEOLATA Michx. Rare in swamps. Flushing; Newtown.

RUBIACEAE

DIODIA TERES Walt. Occasional in dry open soil. Cold Spring Harbor; Valley Stream; Springfield; South of Jamaica; Aqueduct; Sag Harbor; Garden City; Oakdale; Millneck.

OROBANCHACEAE

LEPTAMNIUM VIRGINIANUM (L.) Raf. Occasional in beech woods. Millstone; Queens; Smithtown; Montauk. The above are in my herbarium but I have observed and noted this plant in the following localities: Plattsdale; Roosevelt; South of Hempstead; Bridgehampton, Locust Valley; Bayside.

CONOPHOLIS AMERICANA (L.f.) Wallr. Rare in rich hilly woods at base of trees. Locust Valley. I can find no previous record for Long Island.

COMPOSITAE

SOLIDAGO ASPERULA Ait. Rare on borders of salt marshes and near them. Merrick; Millneck; Point-on-Woods; Bayville; East Islip.

ASTER HERVEYI A. Gray. Rare in dry hilly oak woods and their borders. Lily Pond, Sag Harbor. A few days before discovering this colony Mr. Roy Latham found a colony a short distance south of Lily Pond.

GNAPHALIUM HELLERI Britton. Rare in dry pine barren and oak woods and thickets. Sag Harbor (Latham and Ferguson); Great River.

EUPATORIUM LEUCOLEPIS T. and G. Very rare in sandy swamps and shores. Fore and Aft Pond, Sag Harbor (Latham and Ferguson).

EUPATORIUM SESSILIFOLIUM L. Rare in woods and thickets. Greenvale; Port Washington; Deer Park; Wyandanch; East of Meadowbrook.

EUPATORIUM ALBUM L. Rare in dry pine and oak woods and also in moist soil. Pine barrens at Speonk.

HELENIUM AUTUMNALE L. Rare in swamps but occasionally in large colonies. South of Jamaica; Flushing; Woodside.

HEMPSTEAD, LONG ISLAND.

White-fruited Bane-berries

KENNETH K. MACKENZIE

For many years American botanists were familiar with two species of bane-berry, the first with oval or ellipsoid red berries on slender pedicels in an ovoid raceme, the second with short oval white berries on thick pedicels in an oblong raceme. The first of these appeared in our botanies as *Actaea rubra* (Ait.) Willd. and the second as *Actaea alba* (L.) Miller. Then when